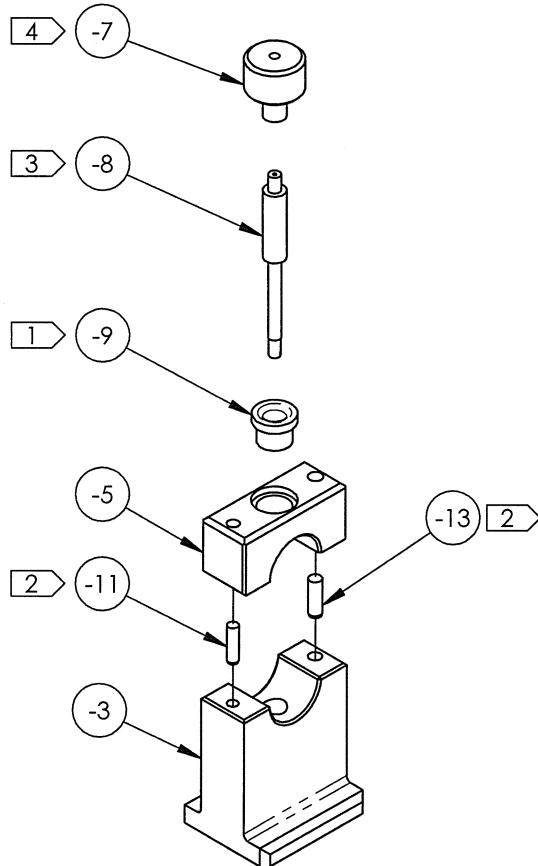
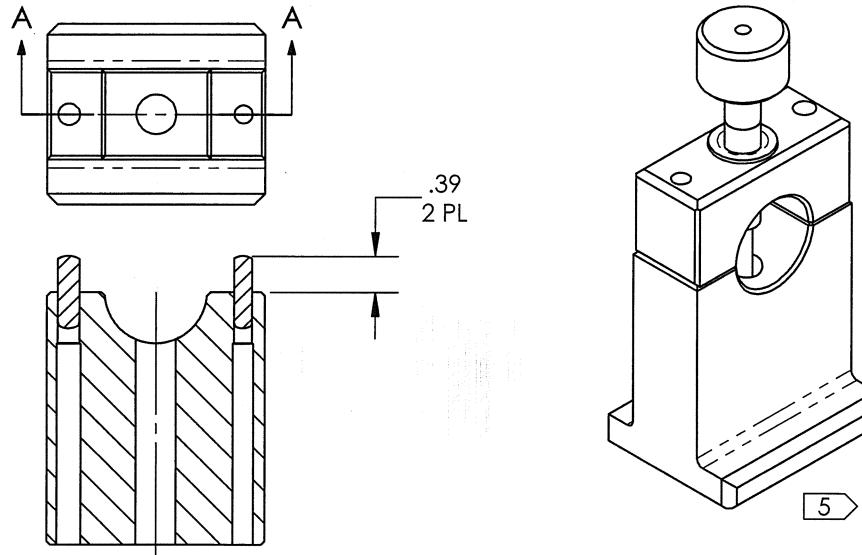


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REVISIONS .						
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED	
2	16-0138	CH'D TOOL NAME TO MATCH OEM WAS DR MOUNTING TOOL IS MOUNTING TOOL, DELETED DIM .039 SHEET 1. -3 & -5 CH'D MATERIAL WAS 1018 IS A36/1018/1020 HR -3, -5, & -7 CH'D FINISH WAS NICKLE PLATE IS ZINC PLATE. -3 DELETED DIM'S .945, .02366/.2361 P.F.-13, Ø.1969/.1964 P.F.-11, 2.189, CH'D DIM'S WAS .039" X 45° IS 14X .04 X 45°, WAS Ø.R.079 X 2 IS 2X R.079, WAS .118 X 45° X 2 IS 2X, 12X 45°, WAS .118 X 45° X 4 IS 4X, 12X 45°, WAS Ø.258 DEPTH 2.189 IS .26 V.2.19, WAS Ø.219 DEPTH 2.189 IS Ø.22 V.2.19 (P.F.-11), ADDED DIM 1.890, .492, 1.181, -.5 CH'D WAS Ø.590 C.H. Ø.709 DEPTH .069 P.F.-7, IS Ø.5904/.5900 THRU ALL [ ] .760 V.119 (P.F.-9), WAS .039 X 45° IS .40 X 45°, WAS .079 X 45° X 4 IS 4X .08 X 45°, WAS Ø.258 DEPTH .565 IS Ø.26 V.57 (S.F.-13), WAS Ø.219 V.565 IS Ø.22 V.57 (S.F.-11), DELETED DIM .945, ADDED DIM 1.890, 1.181, -.7 CH'D DIM WAS Ø.392 S.F.-9 IS Ø.392 +.000-.003 (S.F.-9) WAS Ø.01.016 IS Ø.01.00, WAS M5X.8 DEPTH .738 IS M5XØ.8 V.74, WAS Ø.211 IS Ø.220 +.005-.004 (S.F.-8), WAS .350 IS .35, WAS Ø.059 X 45° IS 2X .06 X 45°, WAS .674 IS .67, WAS 1.187 IS 1.19, CH'D MATERIAL WAS 1018 IS 1018/1020 CR. -8 ADDED PART & DRAWING.	11/7/2016	RJC	SM	
C	19-599	ITEM -9 WAS J.W. WINCO #10M10HDD IS J.W. WINCO #DIN172A0255, ITEM -3 MATERIAL WAS A36/1018/1020 CR IS 1018/1020/1025 CR, FINISH SPEC CHANGED, DIMENSION .1969/.1964 CHANGED FOR .1968 +0/-0.008, DIMENSION .2366/.2361 CHANGED FOR .2362 +0/-0.008, DIMENSION 1.890 CHANGED FOR 1.890 +/- .001, CL SYMBOL ADDED, ENGRAVING "MADE IN USA" AND S/N REMOVED, ITEM -5 MATERIAL WAS A36/1018/1020 HR IS 1018/1020/1025 CR, DIMENSION .2372/.2368 CHANGED FOR .238 +0.005/-0, DIMENSION .1978/.1975 CHANGED FOR .199 +.005/-0, DIMENSION 1.890 CHANGED FOR 1.890 +/- .001, CL SYMBOL ADDED, ITEM -7 MATERIAL WAS 1018/1020 CR IS 1018/1020/1025 CR, FINISH SPEC CHANGED, ITEM -8 FINISH WAS ZINC PLATE IS BLACK OXIDE NOTES 1 @ 5 ADDED ON SHEET 1	2/19/2019	VM	VM	



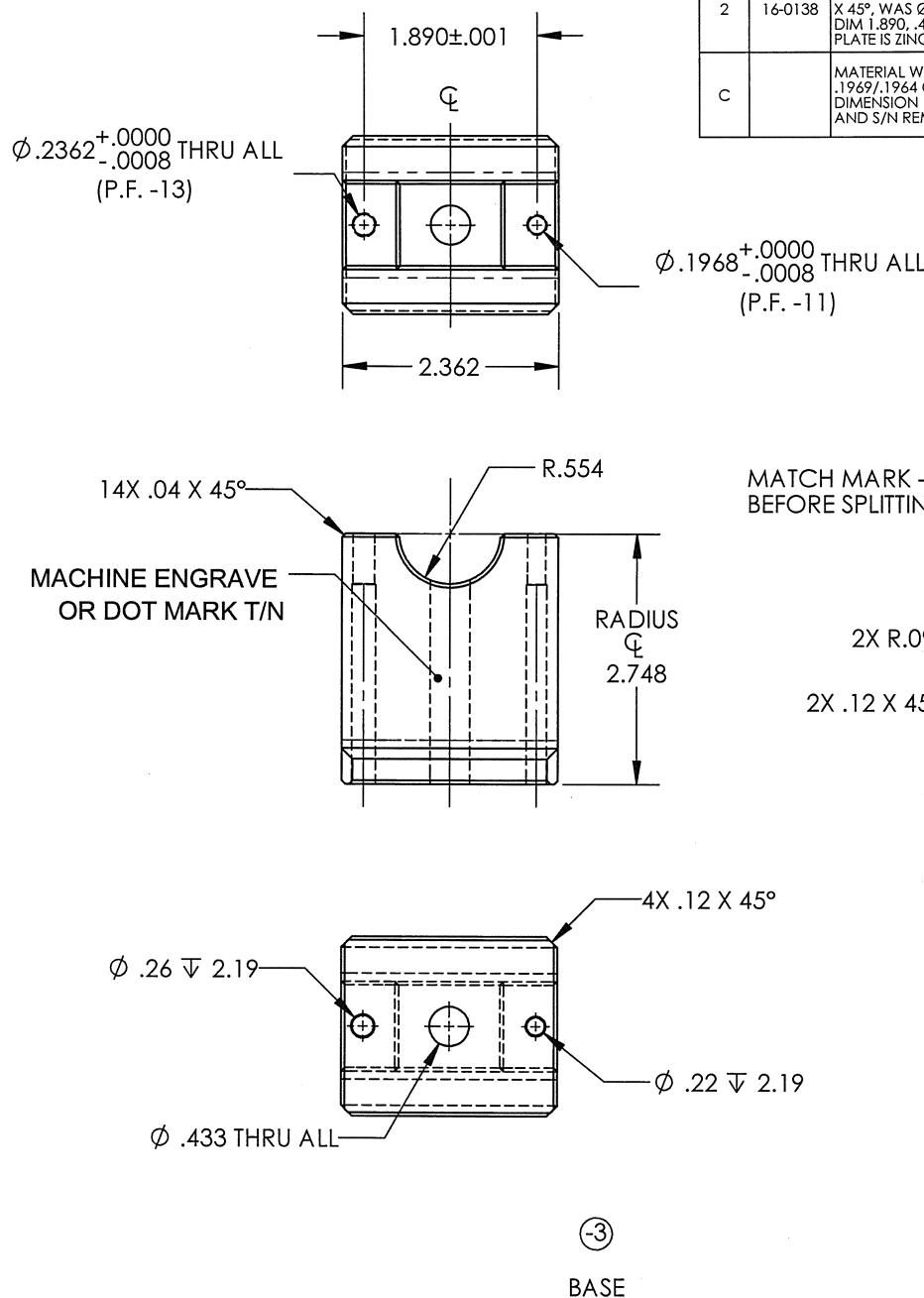
**SECTION A-A**

**NOTES:**  
1) APPLY LOCTITE 620 OR EQUIVALENT ON MATING SURFACES THEN PRESS FIT ITEM -9 WITH ITEM -5 AND REMOVE EXCESS  
2) APPLY LOCTITE 620 OR EQUIVALENT ON MATING SURFACES THEN PRESS FIT ITEM -11 AND ITEM -13 WITH ITEM -3 AND REMOVE EXCESS  
3) APPLY RED THREADLOCKER LOCTITE 263/262 ON THREADS OF ITEM -8 THEN ASSEMBLE WITH ITEM -7 AND REMOVE EXCESS  
4) INSTALL ITEM -7 HAND TIGHT  
5) THE TOOL ASSY MUST BE PACKAGED WITH A DESICCANT BAG INTO A TIGHT FITTING SEALED PLASTIC BAG

ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS
		-3	1	BASE	1018/1020/1025 CR		
		-5	1	CAP	1018/1020/1025 CR		
		-7	1	KNOB	1018/1020/1025 CR		
		-8	1	BOLT	01		
	B/O	-9	1	FLANGED BUSHING	STEEL	Ø10mm I.D. X Ø15mm O.D. X 14mm	(J.W. WINCO #DIN172A0255)
	B/O	-11	1	DOWEL PIN	STEEL	Ø5mm X 20mm	(MCMASTER-CARR #91595A356)
	B/O	-13	1	DOWEL PIN	STEEL	Ø6mm X 20mm	(MCMASTER-CARR #91595A452)

TITLE		MOUNTING TOOL	
DWG NO.	RBEL133M-6503-101		
MAT'L	REV C		
HEAT	UNLESS OTHERWISE SPECIFIED		
TREAT	DIMENSIONS ARE IN INCHES		
FINISH	$.XXX \pm .005$ FRACTIONS $\pm 1/8$		
SPEC	$.XX \pm .01$ ANGLES $\pm 5^\circ$		
DRAWN BY:	$X \pm .1$ SURFACES = 125		
CHECKED:	1. BREAK ALL SHARP EDGES		
OPPS APPR:	$.015 \times 45^\circ$ OR $.015R$		
QA APPR:	2. DIMENSIONAL LIMITS APPLY		
APPROVED:	AFTER PLATING		
SCALE	N/A	DATE	7/13/2010
		USED ON MODEL	
		EC135	
		SHEET 1 OF 5	

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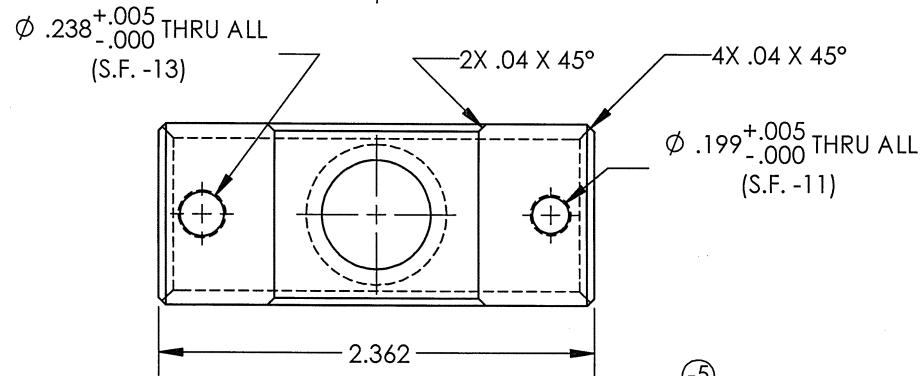
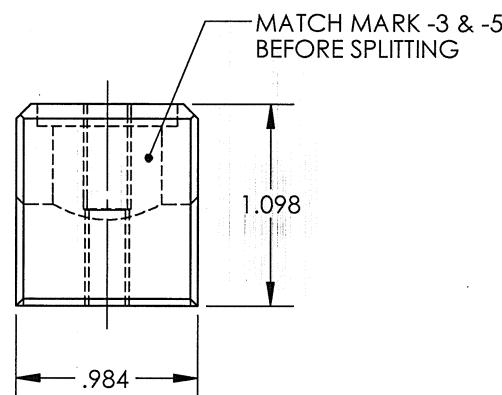
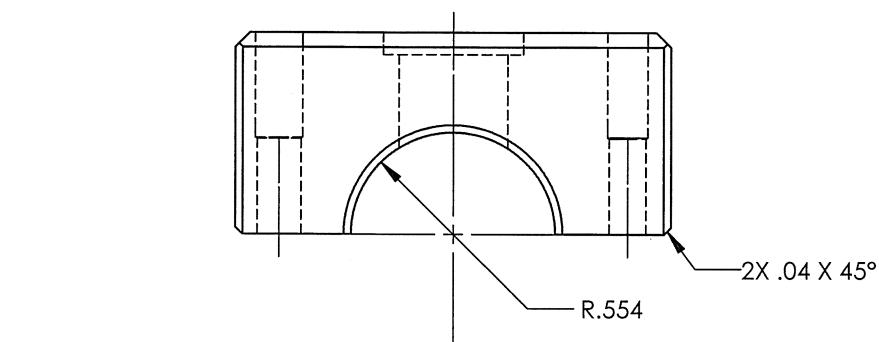
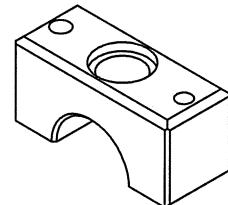
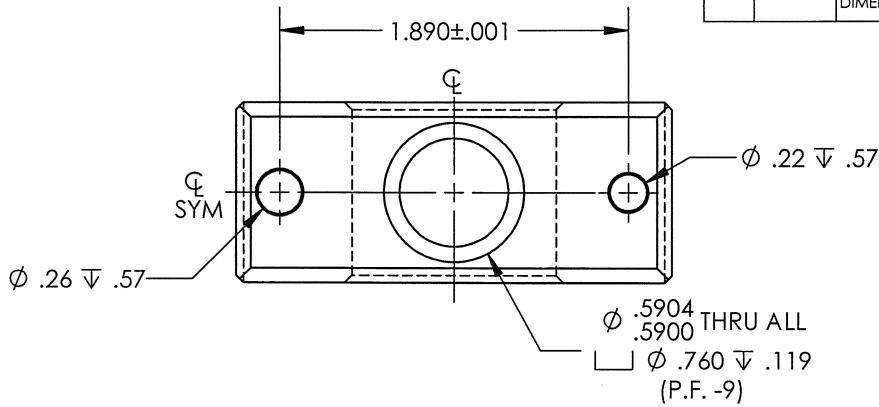
REVISIONS			
REV	ECR	DESCRIPTION	DATE
2	16-0138	-3 DELETED DIM'S .945, Ø.2366/.2361 P.F. -13, Ø.1969/.1964 P.F. -11, 2.189, CH'D DIM'S WAS .039 X 45° IS 14X .04 X 45° WAS R.079 X2 IS 2X R.09, WAS .118 X 45° X2 IS 2X, 12X 45° WAS .118 X 45° X4 IS 4X .12 X 45°, WAS Ø.258 DEPTH 2.189 IS .26 √ 2.19, WAS Ø.219 DEPTH 2.189 IS Ø.22 √ 2.19 (P.F. -11). ADDED DIM 1.890, .492, 1.181, CH'D MATERIAL WAS 1018 AS36/1018/1020 HR, CH'D FINISH WAS NICKLE PLATE IS ZINC PLATE.	11/7/2016
C		MATERIAL WAS A36/1018/1020 HR IS 1018/1020/1025 CR, FINISH SPEC CHANGED, DIMENSION .1969/.1964 CHANGED FOR .1968 +/-.0008, DIMENSION .2366/.2361 CHANGED FOR .2362 +/-.0008, DIMENSION 1.890 CHANGED FOR 1.890 +/- .001, CL SYMBOL ADDED, ENGRAVING "MADE IN USA" AND S/N REMOVED	2/20/2019

<b>DART</b> AEROSPACE	
TITLE	
MOUNTING TOOL	
DWG NO. RBEL133M-6503-101-3 REV C	
MAT'L 1018/1020/1025 CR UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 HEAT TREAT FINISH ZINC PLATE (YELLOW OR BLACK) SPEC ASTM B633 TYPE 2 CLASS 2 DRAWN BY: CLOUGH CHECKED: DUERFELDT OPPS APPR: ANDERSON QA APPR: LINDSAY APPROVED: VNP USED ON MODEL EC135 SCALE N/A DATE 7/13/2010 SHEET 2 OF 5	

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#### REVISIONS

REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0138	-5 CH'D DIM WAS Ø .590 C.B. Ø .709 DEPTH .069 P.F. -7, IS Ø .5904/.5900 THRU ALL L J Ø .760 V.119 (P.F. -9), WAS .039 X 45° IS .40 X 45°, WAS .079 X 45° 4X IS 4X .08 X 45°, WAS Ø .258 DEPTH .555 IS Ø .26 V.57 (S.F. -13), WAS Ø .219 V.565 IS Ø .22 V.57 (S.F. -11). DELETED DIM .945, ADDED DIM 1.890, 1.181, CH'D MATERIAL WAS 1018 IS A36/1018/1020 HR, CH'D FINISH WAS NICKLE PLATE IS ZINC PLATE.	11/7/2016	RJC	SM
C		MATERIAL WAS A36/1018/1020 HR IS 1018/1020/1025 CR, FINISH SPEC CHANGED, DIMENSION .2372/.2368 CHANGED FOR .238 +.005/-0, DIMENSION .1978/.1975 CHANGED FOR .199 +.005/-0, DIMENSION 1.890 CHANGED FOR 1.890 +.001, CL SYMBOL ADDED	2/20/2019	VM	VM



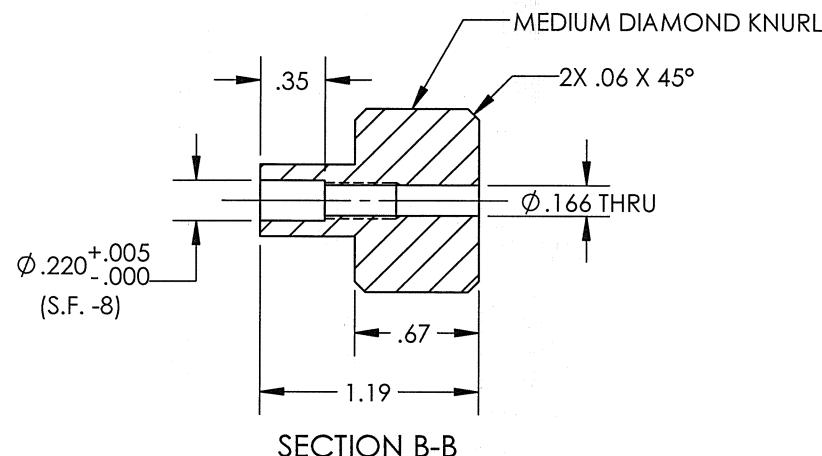
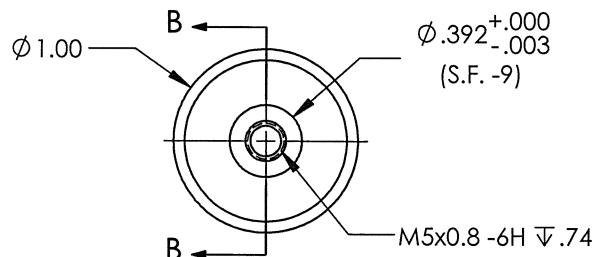
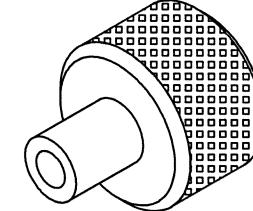
(-5)

CAP

DART AEROSPACE	
TITLE	
MOUNTING TOOL	
DWG NO.	REV
RBEL133M-6503-101-5 C	
MAT'L 1018/1020/1025 CR	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
.000 ± .005 FRACTIONS ± 1/8	
HEAT TREAT	
FINISH ZINC PLATE (YELLOW OR BLACK)	
SPEC ASTM B633 TYPE 2 CLASS 2	
DRAWN BY:	CLOUGH
CHECKED:	DUERFELDT
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	W.M.
SCALE	N/A
DATE	7/13/2010
USED ON MODEL	
EC135	
SCALE	N/A
DATE	7/13/2010
SHEET 3 OF 5	

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			REVISIONS		
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0138	.7 CH'D DIM WAS $\varnothing .392$ S.F. -9 IS $\varnothing .392 +.000 -.003$ (S.F. -9), WAS $\varnothing 1.016$ IS $\varnothing 1.00$ , WAS M5X.8 DEPTH .738 IS M5X0.8 $\nabla .74$ , WAS $\varnothing .211$ IS $\varnothing .220 +.005 -.000$ (S.F. -8), WAS .350 IS .35, WAS .059 X 45° IS 2X .06 X 45°, WAS .674 IS .67, WAS 1.187 IS 1.19, CH'D MATERIAL WAS 1018 IS 1018/1020 CR, CH'D FINISH WAS NICKLE PLATE IS ZINC PLATE.	11/7/2016	RJC	SM
C		MATERIAL WAS 1018/1020 CR IS 1018/1020/1025 CR, FINISH SPEC CHANGED	2/20/2019	VM	VM



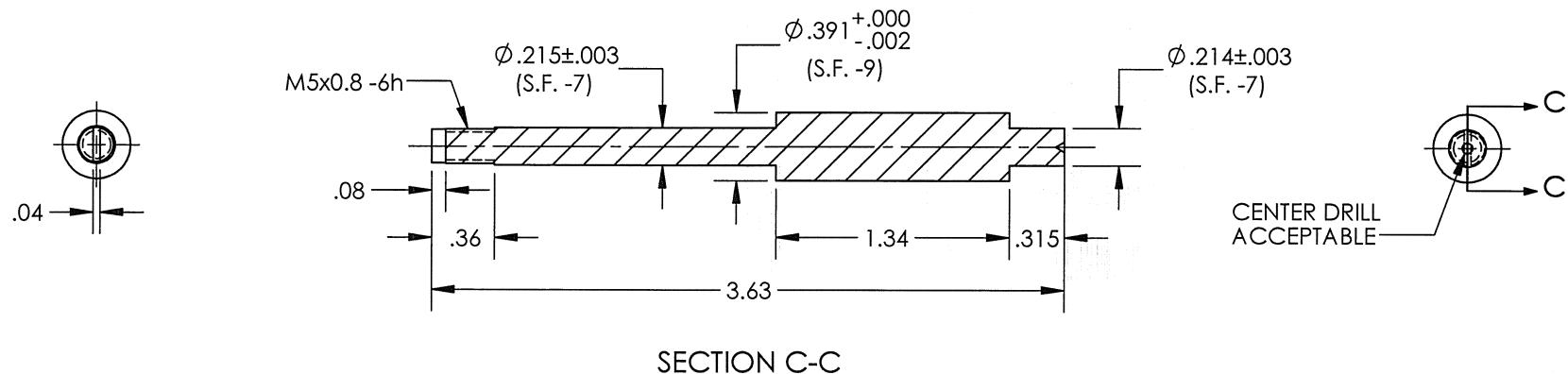
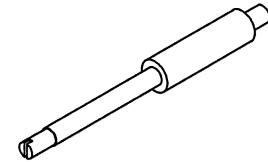
(-7)

KNOB

<b>DART</b> AEROSPACE	
TITLE	
MOUNTING TOOL	
DWG NO. RBEL133M-6503-101-7	
REV C	
MAT'L 1018/1020/1025 CR	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
FEAT	XXX ± .005 FRACTIONS ± 1/8
TREAT	XX ± .01 ANGLES ± .5°
FINISH	X ± .1 SURFACES = 125
SPEC	1. BREAK ALL SHARP EDGES .015 X 45° OR .015R
ASTM B633 TYPE 2 CLASS 2	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
DRAWN BY: CLOUGH	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
CHECKED: DUERFELDT	
OPPS APPR: ANDERSON	
QA APPR: LINDSAY	USED ON MODEL
APPROVED: VM	EC135
SCALE N/A	DATE 7/13/2010
SHEET 4 OF 5	

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REVISIONS						
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED	
2	16-0138	-8 ADDED PART & DRAWING.	11/7/2016	RJC	SM	
C		FINISH WAS ZINC PLATE IS BLACK OXIDE	2/20/2019	VM	VM	



## SECTION C-C

-8

BOLT

<b>DART</b> <b>AEROSPACE</b>																										
TITLE  DR MOUNTING TOOL																										
DWG NO. RBEL133M-6503-101-8 REV C																										
<table border="1"> <tr> <td>MAT'L 01</td> <td>UNLESS OTHERWISE SPECIFIED</td> </tr> <tr> <td>HEAT TREAT RC 45-50</td> <td>DIMENSIONS ARE IN INCHES</td> </tr> <tr> <td>FINISH BLACK OXIDE</td> <td>.XXX ± .005 FRACTIONS ± 1/8</td> </tr> <tr> <td>SPEC ASME Y14.5M 2009, EXCEPT FOR PLATING, 2.00 MAX. TOL. FOR PLATE, 2.00 MAX. TYPE III</td> <td>XX ± .005 ANGLES ± .5°</td> </tr> <tr> <td>DRAWN BY: CLOUGH</td> <td>X ± .1 SURFACES = 125</td> </tr> <tr> <td>CHECKED: DUERFELDT</td> <td colspan="2"> <ol style="list-style-type: none"> <li>1. BREAK ALL SHARP EDGES 1.05 x 45° OR .015R</li> <li>2. DIMENSIONAL LIMITS APPLY AFTER PLATING</li> <li>3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009</li> </ol> </td> </tr> <tr> <td>OPPS APPR: ANDERSON</td> <td colspan="2">USED ON MODEL</td> </tr> <tr> <td>QA APPR: LINDSAY</td> <td colspan="2"></td> </tr> <tr> <td>APPROVED: <i>WJ</i></td> <td colspan="2">EC135</td> </tr> <tr> <td>SCALE N/A</td> <td>DATE 10/26/2016</td> <td>SHEET 5 OF 5</td> </tr> </table>		MAT'L 01	UNLESS OTHERWISE SPECIFIED	HEAT TREAT RC 45-50	DIMENSIONS ARE IN INCHES	FINISH BLACK OXIDE	.XXX ± .005 FRACTIONS ± 1/8	SPEC ASME Y14.5M 2009, EXCEPT FOR PLATING, 2.00 MAX. TOL. FOR PLATE, 2.00 MAX. TYPE III	XX ± .005 ANGLES ± .5°	DRAWN BY: CLOUGH	X ± .1 SURFACES = 125	CHECKED: DUERFELDT	<ol style="list-style-type: none"> <li>1. BREAK ALL SHARP EDGES 1.05 x 45° OR .015R</li> <li>2. DIMENSIONAL LIMITS APPLY AFTER PLATING</li> <li>3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009</li> </ol>		OPPS APPR: ANDERSON	USED ON MODEL		QA APPR: LINDSAY			APPROVED: <i>WJ</i>	EC135		SCALE N/A	DATE 10/26/2016	SHEET 5 OF 5
MAT'L 01	UNLESS OTHERWISE SPECIFIED																									
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SPEC ASME Y14.5M 2009, EXCEPT FOR PLATING, 2.00 MAX. TOL. FOR PLATE, 2.00 MAX. TYPE III	XX ± .005 ANGLES ± .5°																									
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CHECKED: DUERFELDT	<ol style="list-style-type: none"> <li>1. BREAK ALL SHARP EDGES 1.05 x 45° OR .015R</li> <li>2. DIMENSIONAL LIMITS APPLY AFTER PLATING</li> <li>3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009</li> </ol>																									
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SCALE N/A	DATE 10/26/2016	SHEET 5 OF 5																								